

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. to 55. (Canceled)

56. (Previously presented) The product of claim 62, wherein said particles contain at least calcium carbonate.

57. (Previously presented) The product of claim 62, wherein said product contains particles of such an average size that they adhere to each other by van der Waals forces.

58. (Previously presented) The product of claim 62, wherein said particles are between fibers in said fiber layer, whereby the particles are bonded to the fibers by at least van der Waals forces and act so as to bond the fibers to each other.

59. (Canceled)

60. (Previously presented) The product of claim 62, wherein the elementary pigment particles are of a size in the range of 15 - 25 nm.

61. (Previously presented) The product of claim 56, wherein said particles are between fibers in said fiber layer, whereby the particles are bonded to the fibers by at least van der Waals forces and act so as to bond the fibers to each other.

62. (Currently amended) A ~~printing~~ paper product comprising a fiber layer containing cellulosic fiber, plant fiber or other material suitable for manufacturing a ~~printing~~ paper product, wherein at least one surface of said fiber layer ~~has been treated with~~ comprises elementary pigment particles of a size in the range of 0.5 - 100 nm, and wherein the paper product does not comprise without using a binder.

63. (Currently amended) The product of claim 62, wherein the fiber layer ~~has been treated with~~ comprises a layer of elementary pigment particles.